

SUMMARY

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1.1, Solid Waste Treatment, PBS WM04, WBS 1.2.2.1; Liquid Effluents, PBS WM05, WBS 1.2.3.1; and Analytical Services, PBS WM06, WBS 1.2.4.1.

The Waste Management Project continues to make significant progress. The 200 Area Effluent Treatment Facility (ETF) continues to process Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) feed well in excess (>70 gallons per minute [gpm]) of historical averages and FY98 targets. Preparations are also complete and 200 ETF is ready to receive and process N Basin waste water. A 242-A Cold Run Plan has been submitted on schedule to maintain facility and personnel readiness in lieu of an evaporator campaign this year, thereby avoiding significant out year costs of an Operational Readiness Review that would otherwise be required. The Waste Receiving and Packaging (WRAP) facility declared readiness and initiated the Operational Readiness Review (ORR).

Milestone performance (EA, DOE-HQ, Field Office, and RL) shows that eight milestones (89 percent) were completed early or on schedule; and one milestone (11 percent) was completed late. Three FY 1997 milestones were not completed; two will be completed late and one was rebaselined into FY 1998 via baseline change control.

ACCOMPLISHMENTS

- Submitted the 242-A evaporator cold run plan in lieu of an evaporator campaign on schedule. (WM 6.1.1)
- Continued increased ETF fiscal year to date (CERCLA) feed processing efficiency (70 gpm versus targeted 50 gpm). (WM 4.1.1)
- Declared WRAP readiness and initiated the Operational Readiness Review. (Planned)
- Completed review and update of 200 Area Treated Effluent disposal Facility (TEDF) spill control and contingency plans 15 days ahead of schedule. (LEP-98-008)
- Completed review and update of 200 Area TEDF solid waste control plan 15 days ahead of schedule. (LEP-98-009)
- Completed review and update of 200 Area TEDF operations and maintenance plans and summary matrix 15 days ahead of schedule. (LEP-98-010)

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Waste Management	\$ 72.0	\$ 66.3	\$5.7

The 7.9 percent favorable cost variance is within the +10/-5% threshold and is due to indirect passbacks (\$4.0M) and project efficiencies.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Waste Management	\$72.0	\$ 72.4	(\$0.5)*

*Rounding

The 0.7 percent unfavorable schedule variance is within the +10/-7.5% threshold and is primarily due to WRAP ORR and operations delays.

ISSUES

- 1) **Idaho National Environmental Engineering Laboratory (INEEL) Waste Experimental Reduction Facility (WERF) Scheduling Delays.** INEEL scheduling delays may impact ability to ship debris waste for incineration this fiscal year.
Strategy/Status: INEEL will receive waste in August 1998; however, the incineration campaign is not planned until FY 1999. A letter documenting shipment will be sufficient to meet WM 2.1.1. Funding for shipment and disposal in FY 1999 will be required.
- 2) **N Basin Water Drawdown Schedule Slippage.** The 200 LWPF is on the critical path of the 100 N facility decommissioning (Bechtel Hanford Inc., Tri-Party Agreement M-16-01E-T2, August 8, 1998) and will receive approximately 1 million gallons of aqueous waste in an estimated 30-day campaign. The BHI schedule for starting to deliver water to LWPF has continued to slip. Any additional schedule slippage increases the probability of difficulties in meeting the BHI milestone.
Strategy/Status: The processing schedule will include an average of six to seven tanker trucks per day (24 hours) being delivered to the Liquid-Effluent Retention Facility (LERF) basins. Based on recent rescheduling, the current schedule start date is now May 22, 1998. The 200 LWPF is ready to receive shipments and WMH fleet tankers will be dedicated to the campaign. Overtime costs for dedicated Radiological Control Technician (RCT) coverage will be covered by BHI.

- 3) **WRAP Startup.** The startup of Low Level Waste (LLW) and Transuranic (TRU) glove box lines is required to meet FY 98 PA 3.1.1 and ultimately to meet Tri Party Agreement M-91-02, due December 31, 1998 for processing TRU waste at WRAP. **Strategy/Status:** The field work of the Waste Management Hanford /Project Hanford Management Contract Operational Readiness Review team has been completed and corrective actions are being determined.
- 4) **Project W-178, 219-S Secondary Containment, construction completion.** There is a potential for Polychlorinated Biphenyl (PCB) levels in tanks at 219-S delaying discharge of wastes to the tank farms. The 219-S tank removal cannot start until the PCB issue is resolved. Most of the non-critical work scope is complete and the project will stand down to minimize cost. Delays in emptying the tanks and stopping work may result in a \$200,000 to \$600,000 shortfall. **Strategy/Status:** A path forward for emptying tanks and resolving budget issues will be developed in May. Work will need to be remobilized by June 15, to avoid impacting the April 1999 Tri-Party Agreement milestone M-32-02.

COST VARIANCE ANALYSIS: \$5.7M**WBS/PBS****Title****1.2.1.1/WM03****Solid Waste Storage & Disposal**

Description/Cause: The total project favorable cost variance of \$2.2M (12.2 percent) is due to indirect passbacks (\$0.7M); delays in obtaining scrapers for burial ground radiation control areas (level of effort work scope); and maintenance and engineering cost efficiencies.

Impact: The savings generated by the \$0.7M indirect passback will allow Waste Management to add unfunded work scope (Waste Isolation Pilot Plant [WIPP] certification and WRAP low level and transuranic waste operation preparations) to the WM04 baseline through BCR WM-98-010, Rev. 1. However, the favorable variance is projected to continue due to continued identification of cost efficiencies and the favorable passback.

Corrective Action: BCR WM-98-010, Rev. 1 is in process to authorize the addition of the new scope. Scrapers are to be available in late summer.

1.2.1.2/WM04**Solid Waste Treatment**

Description/Cause: The total project unfavorable cost variance of \$0.9M (4.5 percent) is within the established +10/-5%

Impact: None.

Corrective Action: None.

1.2.3.1/WM05**Liquid Effluents**

Description/Cause: The total project favorable cost variance of \$2.9M (15.9 percent) is due to indirect passbacks (\$1.1M) and 200 LWPF productivity without corresponding increase in production cost.

Impact: The savings generated by the \$1.1M indirect passback will allow Waste Management to add unfunded work scope (Waste Isolation Pilot Plant certification and WRAP low level and transuranic waste operations preparations) to the WM04 baseline through BCR WM-98-010, Rev. 1. The favorable variance is projected to continue due to continued identification of cost efficiencies and the favorable passback.

Corrective Action: BCR WM-98-010, Rev. 1, is in process to authorize the addition of the new scope.

1.2.4.1/WM06**Analytical Services**

Description/Cause: The total project favorable cost variance of \$1.4M (8.8 percent) is within the +10/-5% threshold.

Impact: None.

Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: (\$0.5M)**WBS/PBS****Title****1.2.1.1/WM03****Solid Waste Storage & Disposal**

Description /Cause: The total project unfavorable schedule variance of \$0.7M (3.7%) is within the established -7.5/+10% thresholds.

Impact: None.

Corrective Action: None.

1.2.2.1/WM04**Solid Waste Treatment**

Description /Cause: The total project unfavorable schedule variance of \$0.3M (1.6%) is within the established -7.5/+10% thresholds.

Impact: None

Corrective Action: None

1.2.3.1/WM05**Liquid Effluents**

Description /Cause: The total project favorable schedule variance of \$1.0M (5.7 %) is within the established -7.5/+10% thresholds.

Impact: No long-term project impacts.

Corrective Action: None required.

1.2.4.1/WM06**Analytical Services**

Description /Cause: The total project unfavorable schedule variance of \$0.4 (2.6%) is within the established -7.5/+10% thresholds.

Impact: None

Corrective Action: None required.

MILESTONE EXCEPTION REPORT

<u>No./WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE - 0**FORECAST LATE - 0****FY 1997 OVERDUE - 2**

LEP-97-019 1.2.3.1	RL	Review Operating and Maintenance Requirements for 310 TEDF	6/30/97	6/15/98
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Cause: Use of Necessary and Sufficient Standards requires stakeholder involvement to be included in process.

Impact: No long term programmatic impacts

Corrective Action: A change request will be prepared describing the work scope change and subsequent milestone completion date extension. This document will be submitted by June 15.

LEP-97-028 1.2.3.1	RL	Treat UP-1 Groundwater and N Basin Water in 200A ETF	7/31/97	Proposed Deletion
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Cause: No longer relevant due to change from batch processing mode to continuous processing at the Effluent Treatment Facility.

Impact: None.

Corrective Action: BCR #WM-98-029 has been prepared to delete this milestone.